IONIZING AIR GUN

SECTION 3 INSTRUCTION

[3-1]Operating Procedures

Caution:The L904001 Gun is not intended for use in hazardous area. DO NOT Near flammable materials or solvents. When all electrical and air supply Connections have been completed the gun is ready for operation. Apply line power to the power unit. For optimum operation, first clean the part with the gun held as close to the part to be cleaned as required to ensure complete dirt and dust removal. Then direct the air flow over the part for a few seconds with the gun nozzle approximately 200-300mm from the part. This second operation removes any small electrostatic charges which may remain when the gun is operated close to the part. Make certain the ionized air stream contacts all parts of the object to be cleaned to ensure complete neutralization and cleaning.
When handling the gun, handle only by the gun body to prevent undue strain on the cable assembly.

[3-2]Operational Check

To determine if the gun is functioning properly, place the grounded metal shaft of an insulated screwdriver against the inner edge of the nozzle tip and approach the ionizing point with a sharp corner of the screwdriver blade until arcing occurs. They arc between the point and the screw driver blade should be approximately 2-3mm. It's better to test in the shortest time.

[3-3]Routine Maintenance

For efficient operation, it is essential that the gun point be kept clean. The point may be cleaned by using an ordinary pencil eraser. With power unit off, carefully insert the eraser into the nozzle opening and gently press the eraser down over the point while rotating the eraser. This will safely remove any deposits which may have accumulated on the point.

Caution: Do not attempt to scrape the point with any hard or sharp object which could cause damage to the point must remain as sharp as possible for optimum operation. If it becomes dull or damaged, it must be replaced.

MATTERS FOR DAILY INSPECTION

- ▶ Clean high voltage needles
- ▶ Verify grounding connection
- ▶ Inspect equipment for damage
- ▶ Inspect for moisture or other contaminants

* Should our equipment requires repair or adjustment, contact our factory or the nearest sales repesentative.

IONIZING AIR GUN

L904001离子吹尘枪 L904002高压电源 使用说明书

第一部分 说明

[1-1]概述

L904001离子吹尘枪是一种使用消除静电喷嘴的轻型、手动气压枪。该离子风枪主要用于清洁细小敏感的部件和材料，同时消除静电荷。消除静电后，更容易把部件清洁干净并防止灰尘颗粒重新吸付。离子风枪和高压电源供应器配套使用，该电源为离子风枪的运行提供必要的高压。装运前，离子风枪已装配完好并通过一根乙稀绝缘的高压线和电源连接起来。提供的高压线的标准长度是3米。
一台L904002的高压电源供应器，最多可同时使用二把L904001离子风枪。

[1-2]技术参数

小心：请不要在下列参数范围之外使用本离子风枪，否则可能造成身体伤害和机器受损。
A、空气供给要求：清洁干燥空气：15-100psi。
B、空气供给连接：离子风枪身上的1/8″凸形PT插头，配套空气线路。
C、高压要求：(L904001离子风枪供给)
L904002高压电源供应器的4.0KV交流高压。
D、有效静电消除方式
E、重量：约0.275kg (只包括风枪，不包括高压线)

[1-3]电源规格

型号	电源频率	输出电压	短路电流	额定功率	外形尺寸	重量	最大负载量
L904002	50Hz/60Hz	4.0KV	<3mA	20W	165X103X115mm	3.8kg	2

第二部分 安装

[2-1]L904001离子吹尘枪和高压电源的安装

通常情况下，装运前L904001离子风枪和高压电源供应器已装配接线完好。按以下步骤进行安装：
和离子风枪配套高压电源供应器适用于安装在墙壁上和平面上。可参考应用指南查找电源安装尺寸和有关安装数据。为了正确使用风枪及防止操作人员被电击，很重要的一点是风枪和电源正确接地。在风枪和高压电源之间已接好的高压线中含有一根标准的铜地线(黄绿色)，它在风枪和电源之间提供了必要的接地连接。
电源上有了一个地线接线柱，必须连接在良好的大地。风枪的空气供给压力应该在15到100psi之间。因为污染的气体会阻塞风枪或造成短路，所以重要的是供给的气体必须经过滤才能进入离子风枪机身。另外，值得建议的是空气管和连接高压线应该在一起，每隔150mm把它们扎在一起，这样便于操作离子风枪。

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SHENZHEN LODESTAR S.T CO.,LTD.

IONIZING AIR GUN

第三部分 操作

[3-1]操作步骤

注意：L904001风枪不能在危险的区域使用。不能在靠近易燃物或溶剂的地方使用。当所有的电气和空气供给连接已经完成后，风枪就可使用了。把电源线接上电源。为了达到最佳使用效果，首先应该把风枪放在离被清洁部件足够近的范围内，以保证吹除所有灰尘颗粒。然后把气流吹向该部件几秒钟，风枪喷嘴离部件的距离大概在200-300mm。以上第二步的操作把残留下来的细小的静电荷也清理干净了。必须使电离气流吹到被清洁物体的所有零部件，确保完全消除静电和清理干净。操作风枪时，只操纵风枪机体本身，以防止造成对电线和接线的不适当的拉伸。

[3-2]操作检验

要测试离子风枪是否正常运作，用一把绝缘螺丝刀的接地金属柄抵住喷嘴尖的内侧，并用螺丝刀的尖角靠近电离点，直到发出弧光。电离点和螺丝刀尖之间的电弧大概为2-3mm，时间应尽量短。

[3-3]定期保养

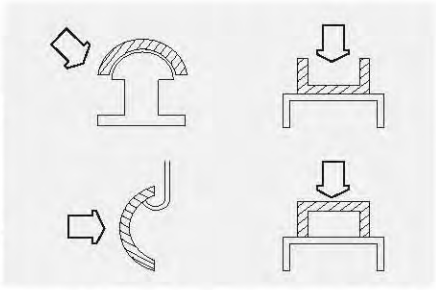
为了高效运作，风枪头应该保持干净。可用普通的橡皮擦清洁风枪头。把电源关掉，把橡皮擦慢慢插进喷嘴开口处，轻轻按下同时转动橡皮擦。这样将安全地清除堆积在风枪头的沉淀物。

有效的气流范例

Example of effective Air Blow

差(BAD)…… 图1

好(GOOD)…… 图2



注意：不要使用任何坚硬、锋利的物体磨擦风枪头，这样容易对风枪头造成损伤。风枪头必须尽可能地保持尖细，以确保最佳使用效果。万一风枪头变钝了或受损了，必须更换。

使用前须检验事项

- ▶ 清洁高压针
- ▶ 检验接地情况
- ▶ 检验设备是否受损
- ▶ 检验潮湿气和其它污染物

* 如果你的产品需要修理或调校，请与本厂或代理商联系。

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IONIZING AIR GUN

L904001 LONIZING AIR GUN
L904002 HIGH VOLTAGE POWER SUPPLY INSTRUCTIONS

SECTION 1 INSTRUCTION

[1-1]General Description

The L904000 ionizing Air Gun is a light weight, handheld compressed air gun utilizing a static eliminating nozzle. The gun is primarily designed for simultaneously cleaning and neutralizing small or sensitive parts and materials. Neutralizing makes it easier to blow parts clean and prevents reattaction of dust and dirt particles.

The gun is used in conjunction with a Power supply which supplies the high voltage necessary for operation of the gun.. The gun is normally shipped completely assembled and connected to the power unit via a vinyl covered, high voltage interconnecting cable assembly. The cable is supplied in a standard 3 meter and 6 meter length.

[1-2] General Description

Caution: Do not operate this device in excess of specifications listed below of serious personal injury and/or damage to the equipment may result.

A. Air Supply : Clean, dry Air ; 15 to 100 psi.

B. Air Supply Connection:
1/8″ male PT connector in gun body: mating air conduit supplied by user.

C. High Voltage Requirement:(Supply to the Gun)

D. Effective Neutralization Pattern.

E. Approximate Weight: 0.275Kgs (gun only, less cable)

[1-3]POWER SUPPLY SPECIFICATIONS

Model	Supply frequency	Secondary Output Volts(KV AC)	Sectetary Short cct current(mA max)	VA Rating (VA max)	Overall Size	Weigh	Maximum Load
L904002	50/60Hz	4.0KV	<3mA	20W	165X103X115mm	3.8kg	2

SECTION 2 INSTRUCTION

[2-1]Installation of L904000Gun and L904001 Power unit

The Gun and power unit are normally shipped completely assembled and wired. Installation is as follows:

The power Unit shipped with the gun is designed for wall, or flat surface mounting. Refer to the applicable instruction bulletin for the power unit mounting dimenstions and pertinent installation data.

For proper operation of the gun, and to prevent shock to operating personnel, it is important that the gun and power unit be properly grounded. The prewired interconnecting cable between the gun and power unit. A grounding stud is located on the power unit, and must be connected to a good earth ground.

Air supply pressure to the gun should be from 15 to 100psi. Since contaminated air ma clog the gun or cause a short circuit, it is important that the supply air be filtered upstream of the gun unit. Then, it is recommended the air hose be run adjacent to the interconnection cable, and taped together approximately every 150mm to aid in easier handling of the gun unit,

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